



M22-WRJ2H - Joystick, with one operating point per operating direction, With plastic shaft, 2 positions, Bezel: titanium, maintained, Horizontal



289199
M22-WRJ2H



Overview



Specifications



Resources



DELIVERY PROGRAM

[Delivery program >](#)

Product range

RMQ-Titan

[Technical data >](#)

Basic function

Joystick

[Design verification as per IEC/EN 61439 >](#)

Mounting hole diameter [□]

22.5 mm

[Technical data ETIM 7.0 >](#)

Single unit/Complete unit

Single unit

[Approvals >](#)

Function: [□ = spring-return]

[Dimensions >](#)

Function



Description

with one operating point per operating direction

With plastic shaft

2 positions

Degree of Protection

IP66

Front ring

Bezel: titanium

Connection to SmartWire-DT

yes

with SWD-RMQ connections

Function

maintained

Horizontal

TECHNICAL DATA

General

Standards

IEC/EN 60947

VDE 0660

Lifespan, mechanical [Operations]

$> 0.1 \times 10^6$

Operating frequency [Operations/h]

2000

Actuating force

5 N

Climatic proofing

Damp heat, constant, to IEC 60068-2-78

Damp heat, cyclic, to IEC 60068-2-30

Degree of Protection

IP66

Ambient temperature

Open

-25 - +70 °C

Mounting position

As required

Mechanical shock resistance

30

Shock duration 11 ms

Sinusoidal

according to IEC 60068-2-27 g

Shipping classification

DNV

GL

LR



Germanischer Lloyd



DESIGN VERIFICATION AS PER IEC/EN 61439

Technical data for design verification

Rated operational current for specified heat

dissipation [I_h]

0 A

Heat dissipation per pole, current-dependent [P_{vid}]

0 W

Equipment heat dissipation, current-dependent

[P_{vid}]

0 W

Static heat dissipation, non-current-dependent [P_{vs}]

0 W

Heat dissipation capacity [P_{diss}]

0 W

Operating ambient temperature min.
-25 °C

Operating ambient temperature max.
+70 °C

IEC/EN 61439 design verification

10.2 Strength of materials and parts
10.2.2 Corrosion resistance
Meets the product standard's requirements.

10.2 Strength of materials and parts
10.2.3.1 Verification of thermal stability of enclosures
Meets the product standard's requirements.

10.2 Strength of materials and parts
10.2.3.2 Verification of resistance of insulating materials to normal heat
Meets the product standard's requirements.

10.2 Strength of materials and parts
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects
Meets the product standard's requirements.

10.2 Strength of materials and parts
10.2.4 Resistance to ultra-violet (UV) radiation
Please enquire

10.2 Strength of materials and parts
10.2.5 Lifting
Does not apply, since the entire switchgear needs to be evaluated.

10.2 Strength of materials and parts
10.2.6 Mechanical impact
Does not apply, since the entire switchgear needs to be evaluated.

10.2 Strength of materials and parts
10.2.7 Inscriptions
Meets the product standard's requirements.

Does not apply, since the entire switchgear needs to be evaluated.

10.4 Clearances and creepage distances
Meets the product standard's requirements.

10.5 Protection against electric shock
Does not apply, since the entire switchgear needs to be evaluated.

10.6 Incorporation of switching devices and components
Does not apply, since the entire switchgear needs to be evaluated.

10.7 Internal electrical circuits and connections
Is the panel builder's responsibility.

10.8 Connections for external conductors
Is the panel builder's responsibility.

10.9 Insulation properties
10.9.2 Power-frequency electric strength
Is the panel builder's responsibility.

10.9 Insulation properties
10.9.3 Impulse withstand voltage
Is the panel builder's responsibility.

10.9 Insulation properties
10.9.4 Testing of enclosures made of insulating material
Is the panel builder's responsibility.

10.10 Temperature rise
Not applicable.

10.11 Short-circuit rating
Is the panel builder's responsibility. The specifications for the switchgear must be observed.

10.12 Electromagnetic compatibility
Is the panel builder's responsibility. The specifications for the switchgear must be observed.

10.13 Mechanical function

The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

TECHNICAL DATA ETIM 7.0

Low-voltage industrial components (EG000017) / Control switch, Joystick (EC000632)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Control switch, joystick (ecl@ss10.0.1-27-37-14-04 [AKF061013])

Rated operation current I_e at AC-21, 400 V
0 A

Centre mounting, hole diameter
22.5 mm

Joy stick length
75 mm

Number of actuation directions
2

Number of switch levels
0

Number of normally open contacts per actuation direction
0

Number of normally closed contacts per actuation direction
0

Number of make-and-break contacts per direction
0

With retraction in 0-position
No

Locking in 0-position
No

Coder
No

Analogue output signal configurable
No

With front ring
Yes

Material front ring
Plastic

Colour front ring
Chrome

Degree of protection (IP)
IP66

Degree of protection (NEMA)
4X

APPROVALS

Product Standards
IEC/EN 60947-5; UL 508; CSA-C22.2 No. 14-05;
CSA-C22.2 No. 94-91; CE marking

UL File No.
E29184

UL Category Control No.
NKCR

CSA File No.
012528

CSA Class No.
3211-03

North America Certification
UL listed, CSA certified

Degree of Protection
UL/CSA Type 3R, 4X, 12, 13

DIMENSIONS



